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(REPORT ON SURVEYS OF AGRICULTURAL RESEARCH INSTITUTIONS,

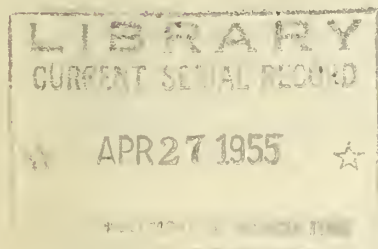
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No. 1)

Survey of Agricultural Research Institutions in
Latin America, 1952

By
² (see p. 1)
Harold Macy, Director
Minnesota Agricultural
Experiment Station

us

(Under provisions of Agreement no. SCC-14062, signed July 28, 1951, between the University of Minnesota and the United States of America, acting through the Technical Cooperation Administration of the Department of State and the Office of Foreign Agricultural Relations of the Department of Agriculture)



University of Minnesota
December 31, 1952



REPORT ON SURVEY
OF
AGRICULTURAL RESEARCH INSTITUTIONS IN LATIN AMERICA
MADE BY THE
UNIVERSITY OF MINNESOTA

(Under provisions of Agreement No. SCC-14062, signed July 28, 1951, between the University of Minnesota and the United States of America, acting through the Technical Cooperation Administration of the Department of State and the Office of Foreign Agricultural Relations of the Department of Agriculture)

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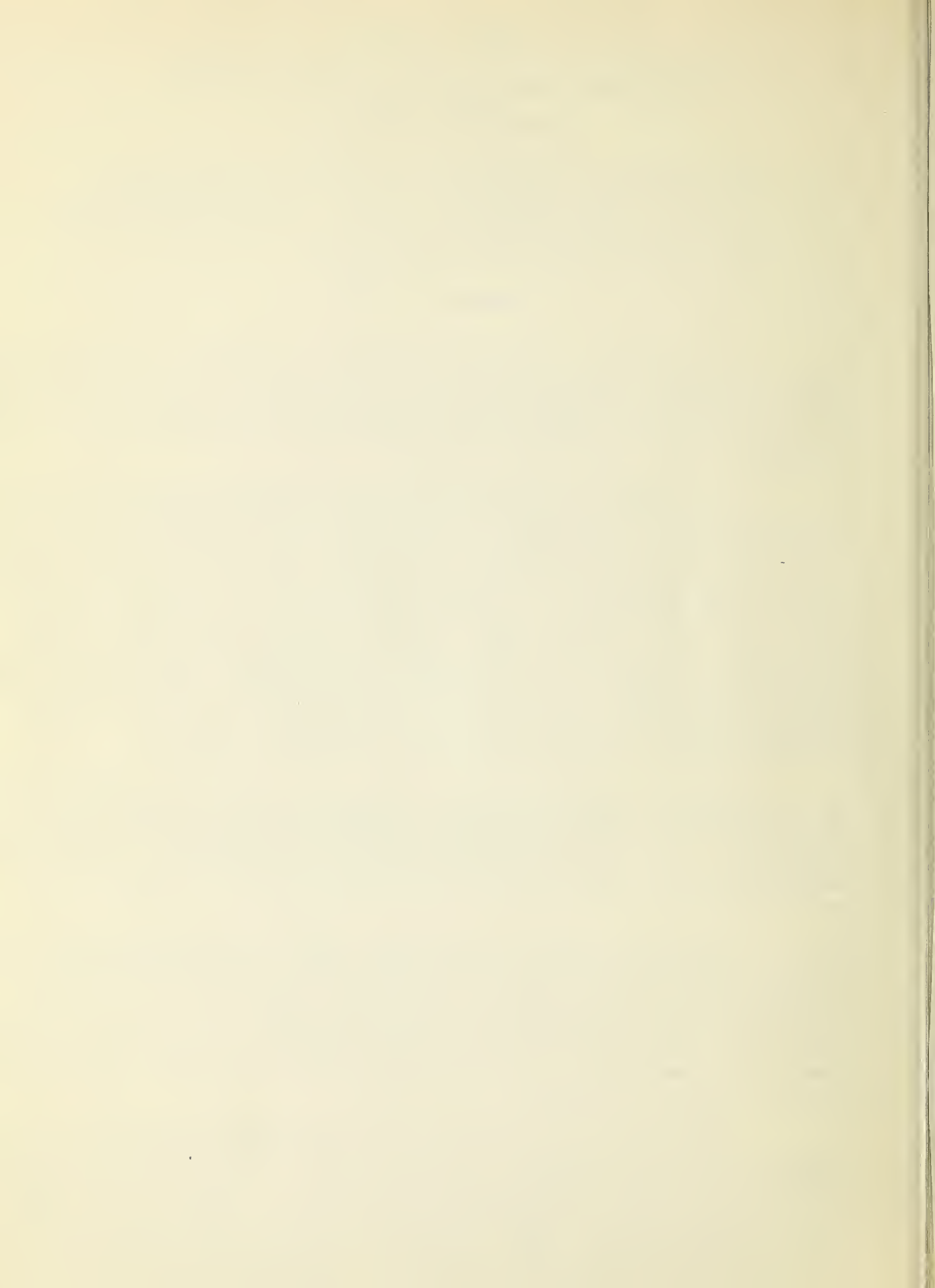
The University of Minnesota assigned Dr. Harold Macy, Director of the Agricultural Experiment Station, to the task of conducting the survey of Agricultural Research Institutions in Latin America under the terms of the agreement cited above. The report submitted herewith has been prepared by Director Macy based upon the observations made in the countries visited.

Director Macy had preliminary conferences with representatives of the Technical Cooperation Administration, the Office of Foreign Agricultural Relations, and the Institute of Inter-American Affairs, at various times during 1951 and previous to his departure from New York City on January 11, 1952. It was agreed and understood by all parties concerned that it would be impossible to cover all of the Latin American countries in the three months which Director Macy could be away from his University duties in order to make the survey. It was agreed that observations could be made in Brazil, Uruguay, Argentina, Chile, Bolivia, Peru, Ecuador and Colombia, as well as Paraguay. Unfortunately, during the journey, it was impossible to make the necessary travel arrangements to visit Paraguay. The results of the survey, therefore, are based on actual data from eight of the principal countries in South America, plus information from Dr. A. W. Patterson of the Institute of Inter-American Affairs at Asuncion, Paraguay.

Director Macy had available to him a list of addresses assembled from the foreign mailing lists being used by the agricultural experiment stations of eleven states for the distribution of publications to the Latin American countries in question. These lists had received preliminary consideration by the agricultural attaches or other representatives of federal agencies in the countries during the period 1950-51.

Director Macy left New York City on January 11, 1952, arriving in Belem, Brazil, on January 12, 1952, where the survey began. Subsequently, surveys were made from headquarters established at Fortaleza, Recife, Salvador, Rio de Janeiro, Belo Horizonte, Sao Paulo, Campinas, Piracicaba, Porto Alegre, all in Brazil; Montevideo, Uruguay; Buenos Aires, Argentina; Santiago, Chile; La Paz, Bolivia; Lima, Peru; Quito, Ecuador; Cali and Bogota, Colombia. In the course of the survey, other communities in the vicinity of each of these cities were visited whenever necessary arrangements could be made.

Conferences were held with representatives of the Department of State, such as consuls, agricultural attaches, commercial attaches, cultural attaches, ambassadors, and others wherever they were on duty. At each point where representatives of the Office of Foreign Agricultural Relations, the Institute of Inter-American Affairs, or the Technical Cooperation Administration were stationed, they were consulted likewise. Occasional contacts were made with representatives of the United Nations, such as FAO, UNESCO, etc. Conferences were held with representatives of ministries, secretariats, research institutions, agricultural schools, colleges, libraries, etc., to the greatest extent possible. In addition, pertinent



information was obtained from citizens of the United States engaged in business in the Latin American countries or familiar with the institutions being studied. Grateful acknowledgement is made for the marvelous spirit of cooperation and assistance given by many individuals, especially the Consuls, Attaches, and other members of consular and embassy staffs and the representatives of OFAR, IIAA, and TCA. Acknowledgement has been made to each of them through personal correspondence. Additional individual commendations will be forwarded to the Department of State and others, so that the dossier of each may contain a record showing the appreciation of Director Macy for the exceptional service rendered.

In general, the reception accorded Director Macy was wonderful. In a few isolated instances, little interest was shown by representatives of the United States but this may remain unrecorded because it is appreciated that circumstances, perhaps beyond the control of these individuals, may have made it difficult or impossible for them to render the kind of assistance which would have been most helpful. An informal statement will be made, subsequently, to representatives of the Technical Cooperation Administration, the Institute of Inter-American Affairs, and the Office of Foreign Agricultural Relations, concerning other weaknesses or strong points in the programs under way in the countries visited. These comments will be made for the good of the service and in the form of constructive criticism.

It was possible to obtain information about most of the agricultural research and teaching institutions included in the preliminary working lists and others brought to the attention of the surveyor from time to time. Special attention was given to library facilities, fields of research, teaching activity and interest, as well as the need for exchange of scientific publications and the possibility of service to neighboring institutions, surrounding communities, or whole areas.

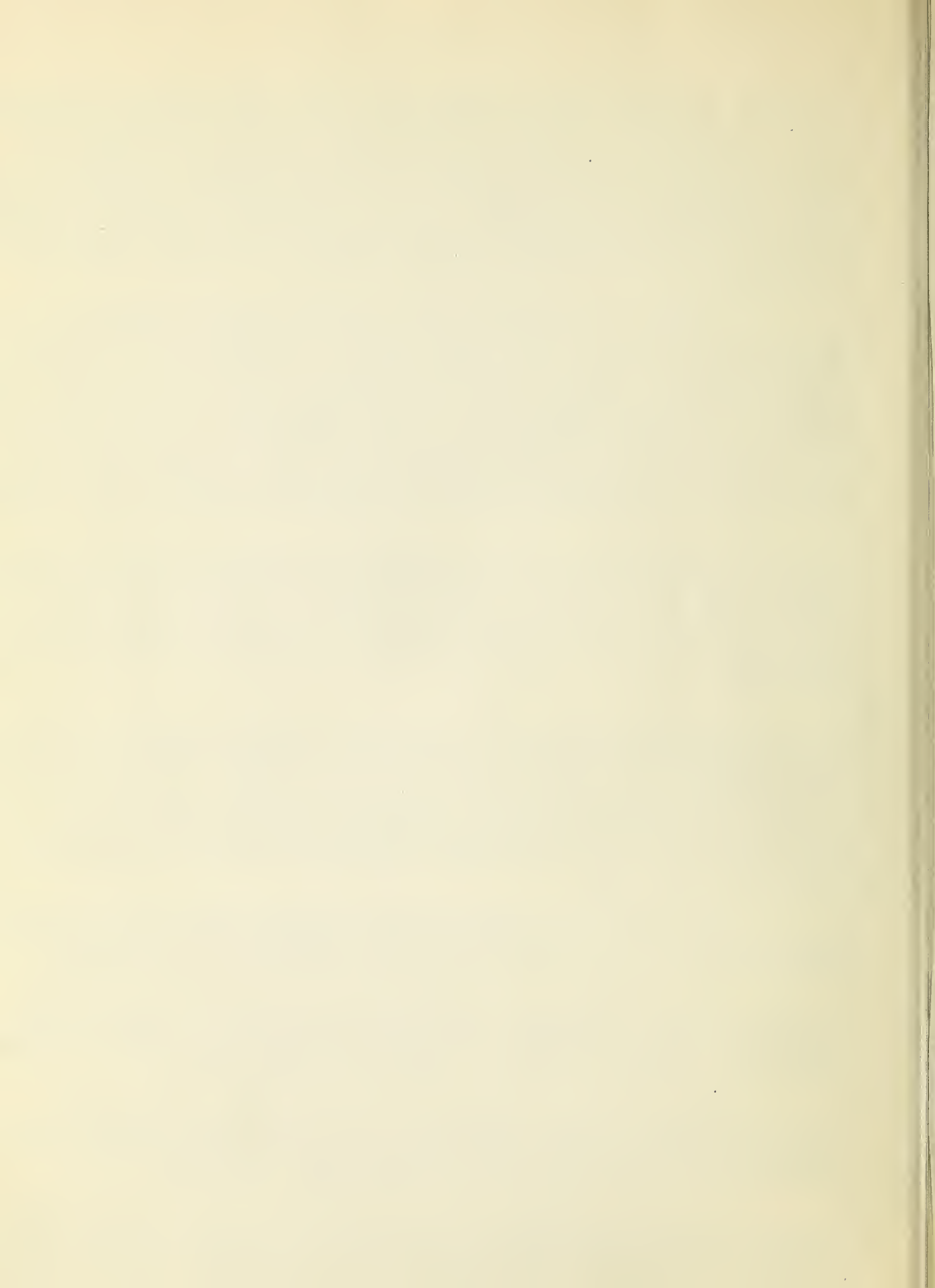
As a result of the survey, it was found possible to select a limited number of repositories in each country for publications from the state agricultural experiment stations and the U. S. Department of Agriculture. A list of these institutions is attached hereto. They are separated into four categories. The first category is listed under the designation "R", signifying that these are the primary repositories to which it is hoped practically all of the agricultural publications from the state agricultural experiment stations and the U. S. Department of Agriculture, may be sent.

Those institutions listed under the designation "X", represent additional institutions to which such publications might be sent if the foreign mailing lists could be expanded by the stations or the U. S. Department of Agriculture.

The third category is identified by the letters "A-V", and includes institutions where the primary interest would be in the broad fields of animal husbandry or veterinary medicine and lists the institutions to which it is hoped publications in those fields may be sent from the United States.

The last category, identified by the letter "P", includes those institutions where the major interest is in the field of plant science. It is intended to list those institutions that would be able to make good use of publications from the United States in this special, broad field.

It should be recorded that the preliminary working list of addresses available to Director Macy contained 604 items in 9 countries, including 195 for Brazil, 30 for Uruguay, 4 for Paraguay, 196 for Argentina, 5 for Bolivia, 41 for Peru, 59 for Chile, 36 for Ecuador, and 38 for Colombia. Of course many of these addresses were used by more than one of the eleven state agricultural



experiment stations. It was not possible to visit all of these institutions or individuals, since some of them were no longer in existence or carried incorrect addresses or were useless for some other reason determined on the spot. Information was furnished in each country to an extent that made possible an adequate and practically complete review of these lists.

As a result of the survey, it was possible to prepare the recommended list of repositories in each of the countries visited, as well as for Paraguay. The number of repositories selected and listed in the group under the designation "R" totaled 54 as follows: Brazil 20, Uruguay 4, Paraguay 1, Argentina 10, Chile 7, Bolivia 1, Peru 5, Ecuador 3, and Colombia 3.

Director Macy was able to accumulate information about addresses of institutions and individuals that are not included in the lists furnished herewith. Reasons for dropping some of the institutions, or other addressees, were accumulated and will be made available to interested parties.

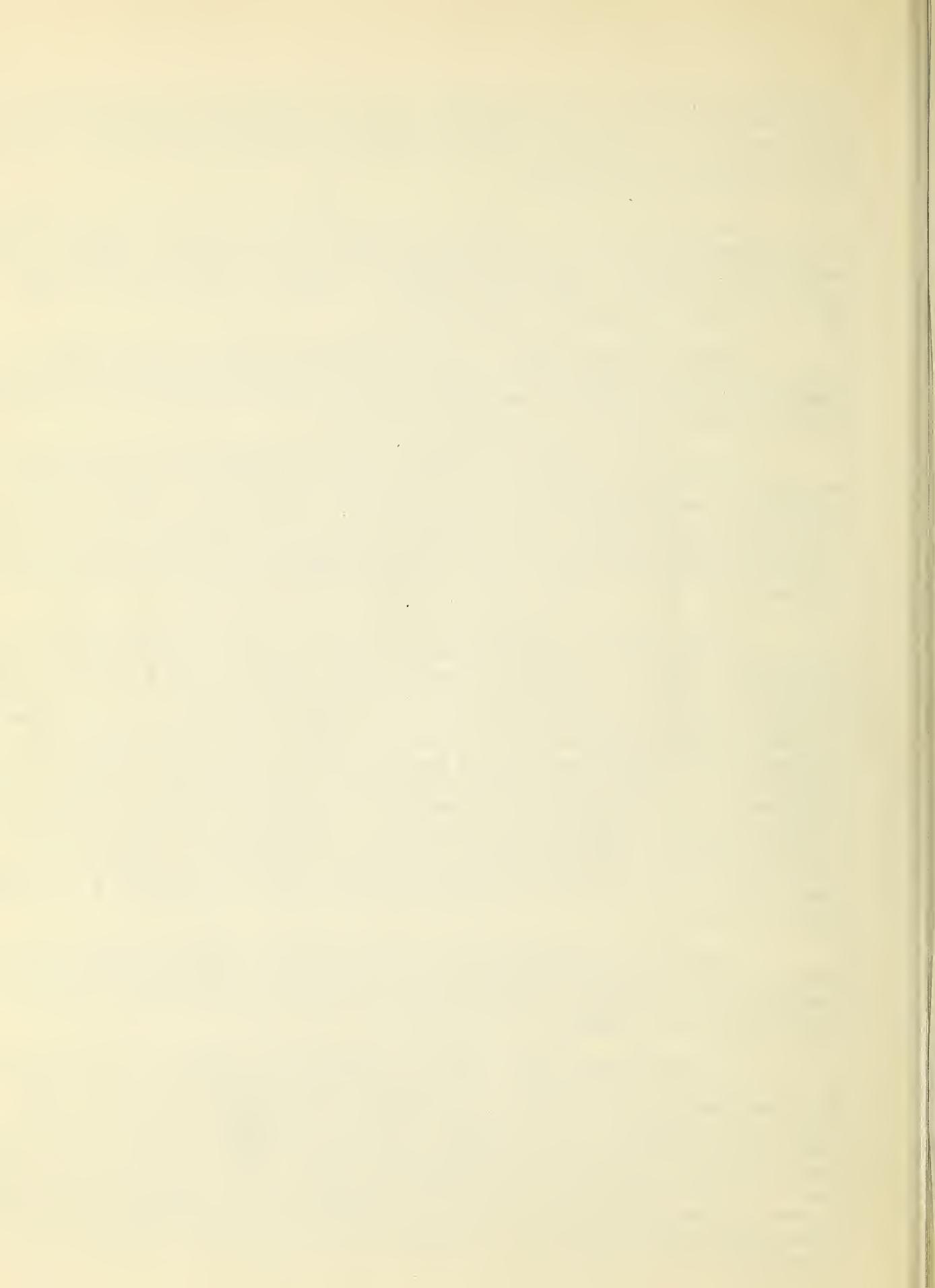
It is realized that the enclosed lists of recommended repositories is not perfect and may be subject to some debate or modification. The report on the countries listed represents the best information that could be collected under the circumstances encountered. It is realized that changes will occur in each country due to circumstances unforeseen at the moment. Some device will need to be developed for meeting such situations. One of the recommendations which will follow will concern itself with the mechanism for keeping this up-to-date and accurate.

Director Macy is convinced, as the result of his experiences before and during the survey, that the direct survey method is the most satisfactory procedure for gathering the most accurate information upon which the most dependable foreign mailing lists could be developed. The preliminary studies in the field must be made by someone who understands the problems of the experiment stations, the colleges, and the government agencies both at home and abroad. Such a person must know the character of the literature which is available for distribution on exchange and must be able to select those institutions where such publications will find most effective use. Few agricultural experiment stations can afford to broadcast their publications and in these difficult times the necessity for economy is evident. The agricultural experiment stations and the U. S. Department of Agriculture, naturally, are anxious to have their publications reach those places in the world where they will be well kept, frequently used, and made available to the maximum number of readers.

A number of other aspects of the distribution of agricultural publications from the United States to foreign countries will be covered in the report of a committee of the Association of Land-Grant Colleges and Universities which has been included as an Appendix to this report.

It is recommended that serious consideration be given to the possibility of the completion of the survey of all Latin American countries and, in fact, in all other countries of the world. Necessary funds should be obtained to make such surveys possible. The information obtained by such a procedure would be most useful to the states and to the federal agencies, and make it possible to serve the countries of the world much more satisfactorily than is the case at the present time. It would also mean that significant economies would result for all parties concerned. The publications would not be distributed indiscriminately but only to those institutions that were best equipped to handle and use such literature most effectively.

It is recognized that the list of repositories recommended herewith at



this time does not include all of the addresses that might be used for exchange relationships. In each of the countries there are publications sponsored by private, state or federal agencies which should find their places in at least a few libraries in the United States if the scientists in this country are to be fully informed about the research conducted abroad. The reason that such addresses have not been included generally on the list is because of the fact that most of such addressees would not have libraries where the publications could be deposited. The list which has been presented herewith for the nine Latin American countries represents institutions or agencies where there are libraries which could serve with reasonable adequacy as repositories furnishing the necessary cataloging, shelving, and loan services for a particular city, state or country.

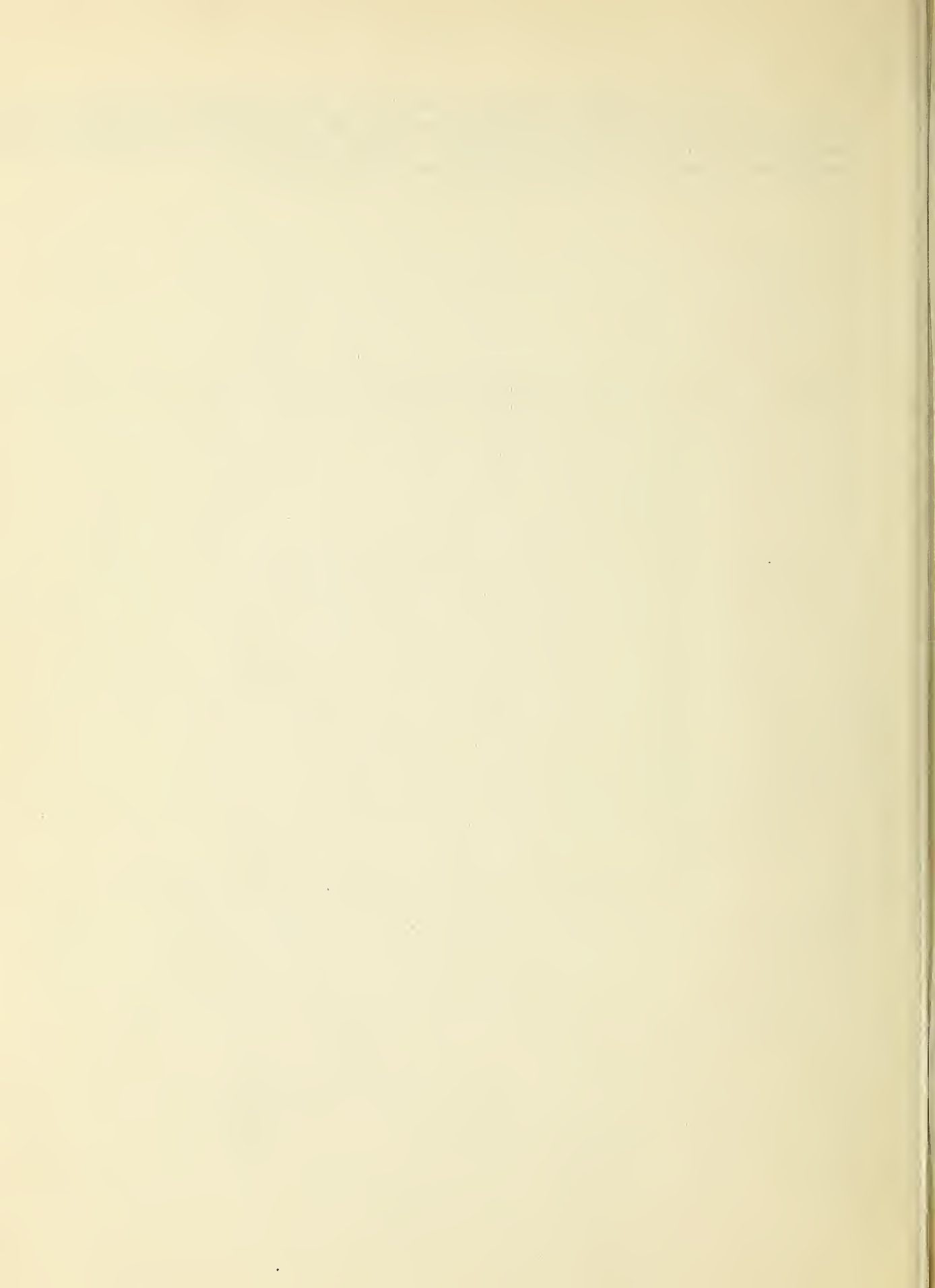
The exchange problem in the broad sense would be solved admirably if an exchange desk could be established in the library of the U. S. Department of Agriculture to serve all the states, as well as the federal government. Such an arrangement would lead to economies but above all, would insure better distribution at home and abroad. It is hoped that funds may be made available for such a service. Such an exchange center could collect and disseminate information about present or future repositories at the same time that the exchange service was being maintained.

It was also evident from conversations with many people in Latin America, both nationals and representatives from the United States, that our present distribution system is not serving very satisfactorily. There is a long period elapsing between the time of publication and the receipt of these publications at the foreign institutions. This is another matter which should be considered at a high level to see if some device cannot be worked out for a more efficient distribution. This may involve international agreements or the establishment of certain mechanisms that will make delivery prompt and efficient. It is felt that some central agency should have the responsibility for assembling and shipping publications to the foreign institutions, for handling exchanges, and similar services. Otherwise, procedures should be worked out so that the individual state experiment stations could ship directly to the repositories without the restrictions or the high costs now involved. The International Exchange Service of the Smithsonian Institution has been very helpful in the past and most cooperative. There are possibilities, however, for improving this service as indicated above or by developing a new plan.

There is one conclusion reached after the survey that has universal application, namely, that there is a great demand in all countries for the publications from the Land-Grant institutions and the U. S. Department of Agriculture. This country could serve our friends abroad in a way that would contribute tremendously to the improvement of international relations if we could assure them that our publications would be available at convenient points for the use of their scientists and teachers. Every effort should be made to meet this need so far as possible, economically, and practically.

It is felt that the formulation of basic mailing lists such as the one submitted herewith, will be a good start on an overall plan for a world-wide distribution of our agricultural publications. It might be commented in passing that the people in the Latin American countries visited, in general, when they understood the basic problem, agreed that it would be desirable to select key institutions as repositories in each country, rather than to attempt a more or less indiscriminate distribution in the country. It was quite generally agreed that if the people in the country knew that certain institutions would have all or most of the publications from the United States, the smaller institutions and individuals could make use of these central repositories when seeking the latest information from the United States.

It is our final conclusion that the survey was most productive and that the information gained will be widely used by the agricultural experiment stations and the U. S. Department of Agriculture. Thus, the mission was accomplished to the extent possible in terms of funds and time available.



R = Repository or primary group.

X = Second choice could make good use of the funds

ARGENTINA

A-V. - Animal studies - Vet med. only

P - Plant Science only

4 R X Biblioteca,
Facultad de Agronomia y Veterinaria,
Avenida San Martin 4453,
Buenos Aires

X R X Biblioteca Central,
Ministerio de Agricultura y Ganaderia,
Paseo Colon 974,
Buenos Aires

X R X Biblioteca,
Sociedad Cientifica Argentina,
Calle Sante Fe 1145,
Buenos Aires

X R X Biblioteca,
Instituto de Fitotecnica,
Castelar, F.C.N.D.F., Sarmiento

✓ R X Biblioteca,
Facultad de Agricultura,
Universidad del Litoral,
Corrientes

X R X Biblioteca,
Facultad de Agronomia,
Universidad Nacional de La Plata,
Casilla de Correo 31,
La Plata

de Ciudad Eva Peron

Eva Peron

X R X Biblioteca,
Facultad de Ciencias Agrarias,
Universidad Nacional de Cuyo,
Pedro Molina 400,
Mendoza

X R X Biblioteca,
Estacion Experimental,
Pergamino

✓ R X Biblioteca,
Direccion General de Investigacion y Fomento Agricola Ganadero,
Casilla de Correo 58,
Sante Fe

X R X Biblioteca,
Estacion Experimental Agricola de Tucuman,
Casilla de Correo 71,
Tucuman

32 org. searched 300 min.

o X Biblioteca,
Centro Argentino de Ingenieros Agronomos,
Arenales 1678,
Buenos Aires

X X Biblioteca,
Instituto Nacional de la Nutricion,
Ministerio de Salud Publica,
Cordoba 3120,
Buenos Aires

o X Biblioteca,
Asociacion Argentinian de Ciencias Naturales-Physic,
Av. Angel Gallardo 470,
Buenos Aires

o X X Biblioteca,
Instituto de Biologia Experimental,
San Jose 1481,
Buenos Aires

X X Biblioteca,
Sociedad Rural Argentina,
Florida 460,
Buenos Aires

o X X Biblioteca, de
Confederacion Asociaciones Rural de Buenos Aires y La Pampa,
Sarmiento 459,
Buenos Aires

X X Biblioteca del Museo,
Universidad Nacional,
La Plata, F.C.N.G.
Eva Peron

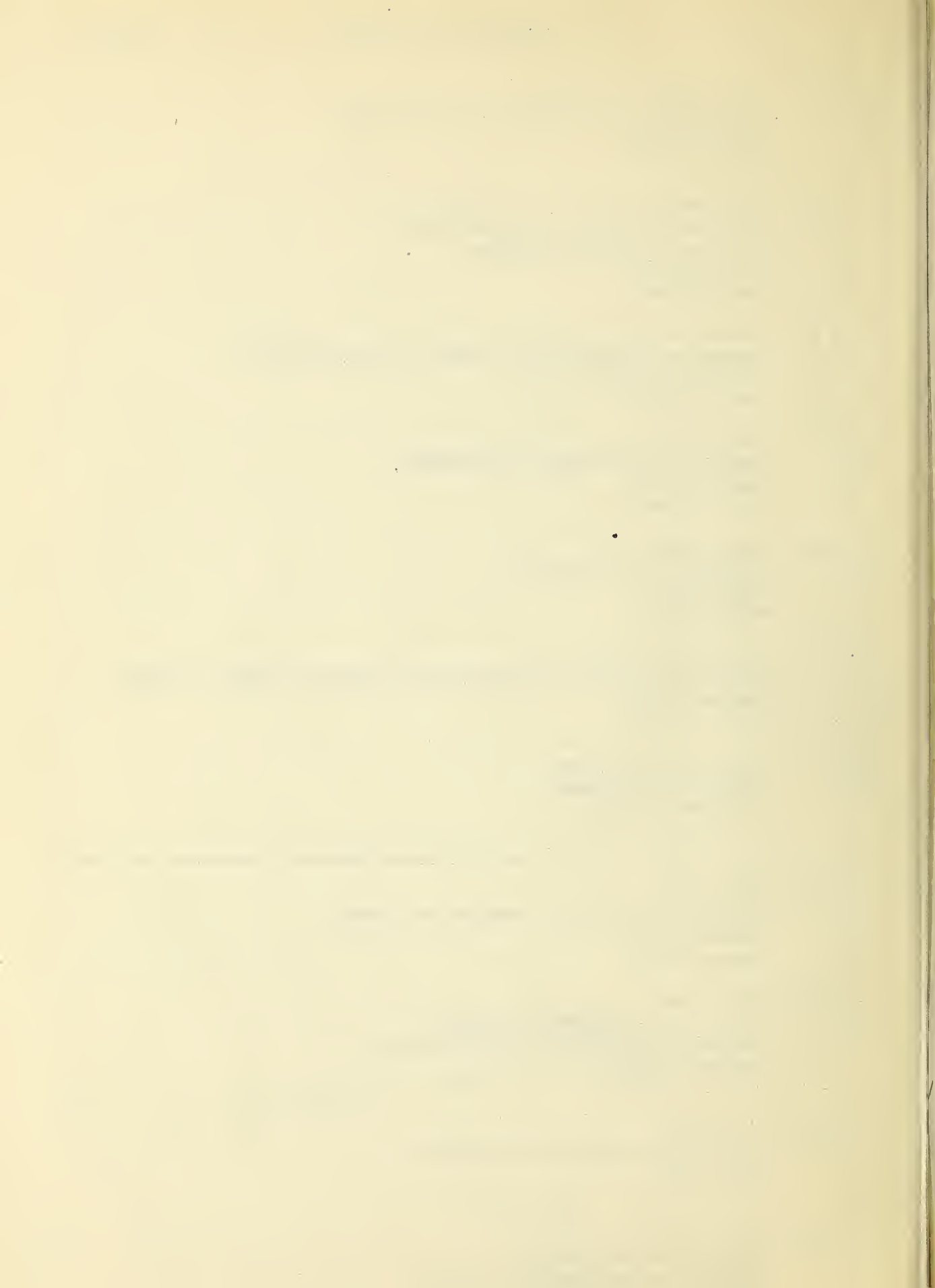
X A-V X Biblioteca,
Asociacion Argentina Criadores de Cerdos,
Florida 671,
Buenos Aires

X A-V X Biblioteca,
Centro de la Industria Lechera,
Galeria Guemes-Edificio Supervielle,
San Martin 170,
Buenos Aires

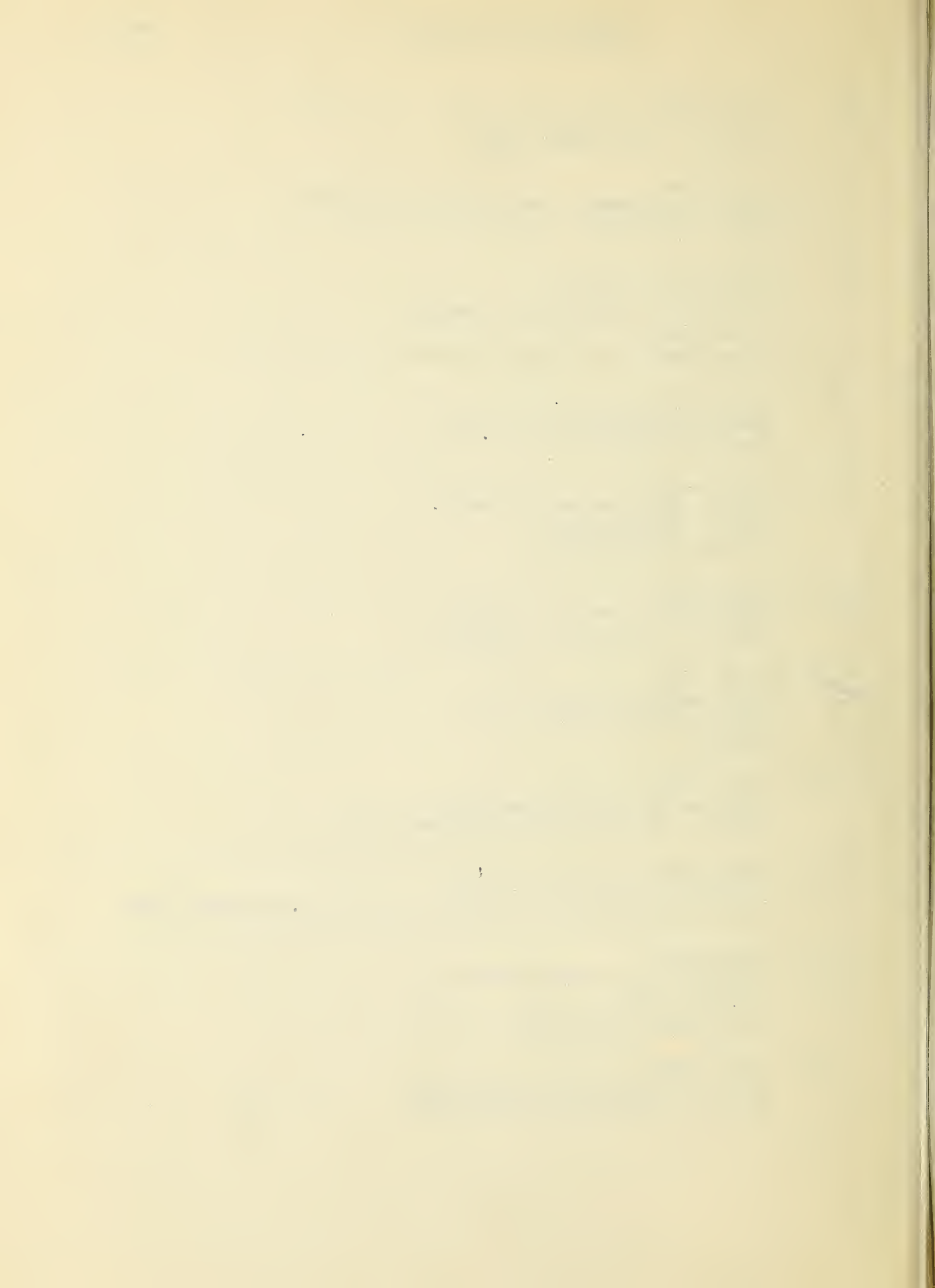
o A-V X Biblioteca,
Sociedad de Medicina Veterinaria,
Chile 1856,
Buenos Aires

o A-V X Biblioteca, *Medicina*
Facultad de Veterinaria,
Universidad Nacional de La Plata,
La Plata, F.C.N.G.R.
Eva Peron

de Centro de Eva Peron



- ✓ 0 P X Biblioteca,
Estacion Experimental Agricola,
° Balcarce, Prov. Buenos Aires
- ° P Biblioteca,
° Chacra Experimental "Coronel Benito Machado",
° Barrow, F.C.N.G.R.
- ✓ X P X Biblioteca,
Direccion de Algodon,
Ministerio de Industria y Comercio,
Juncal 866,
Buenos Aires
- 6 P Biblioteca,
Estacion Experimental del Delta,
Campana, F.C.N.B.M.
- ✓ 0 P X Biblioteca,
Estacion Experimental Citrocola,
Casilla de Correo 34,
Concordia, (Entre Rios)
- ✓ P X Biblioteca,
Estacion Experimental Agricola,
Manfredi, F.C.N.G.B.M. (Cordoba)
- ✓ 0 P X Biblioteca,
Laboratoria de Fitopatologia,
Casilla de Correo 179,
Mendoza
- 6 P Biblioteca,
Estacion Experimental Nacional,
Oliveros, F.C.N.G.B. (Prov. de Sante Fe)
- 0 P Biblioteca,
Estacion Experimental Agricola,
Pte. Roque Saenz Pena, F.C.N.G.B., Prov. del Presidente Peron
- ✓ P X Biblioteca,
Instituto de Botanica Darwinion,
Lavarden 200,
San Isidro, F.C.N.G.B.M.
- 6 P Biblioteca,
Estacion Experimental Agricola,
Tezanos Pinto, Prov. de Entre Rios



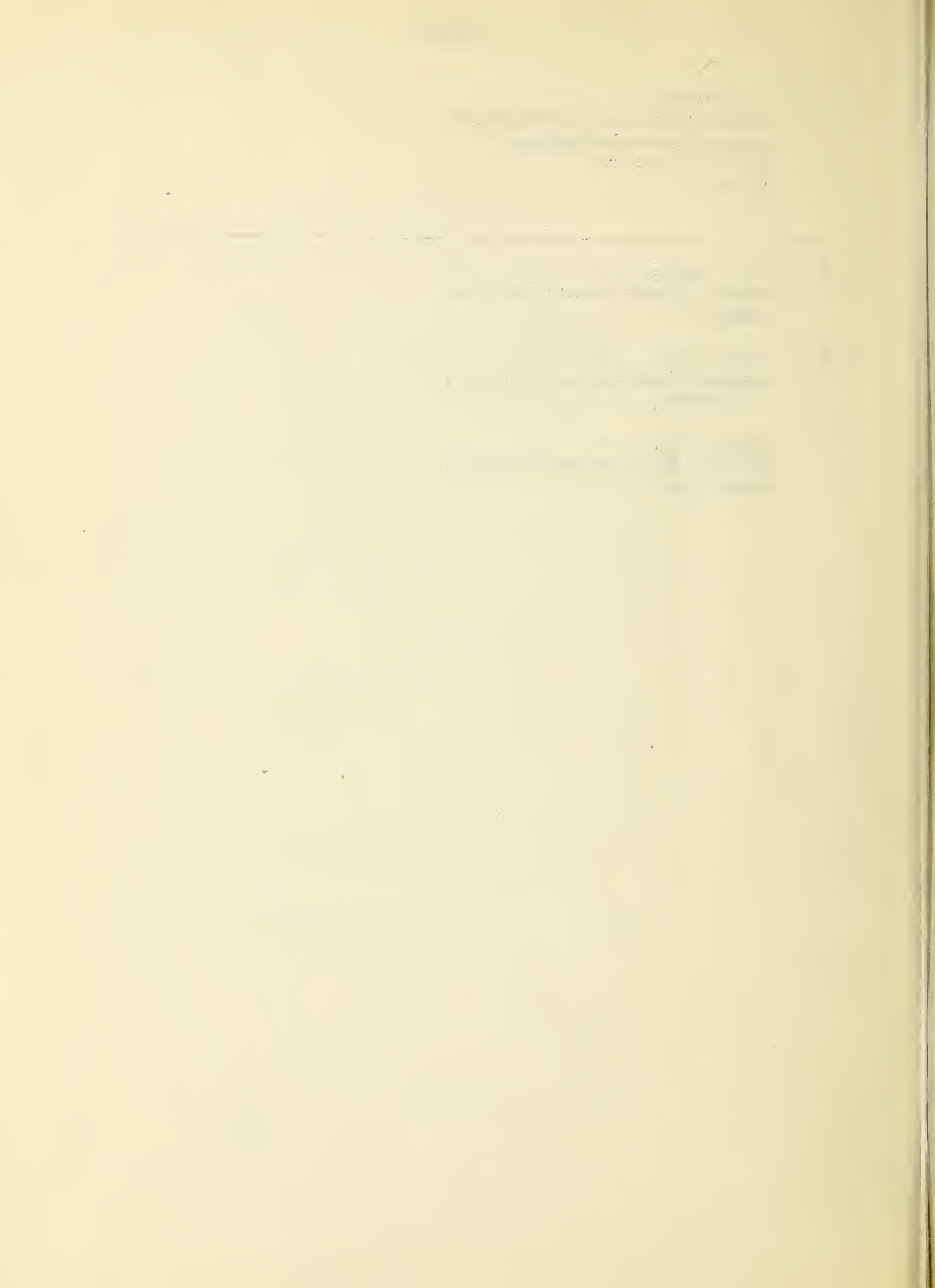
BOLIVIA

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Servicio Agrícola Interamericano,
Ministerio de Agricultura,
c/o U. S. Embassy,
La Paz

○ X Biblioteca,
Estacion Experimental Agrícola,
Achacachi

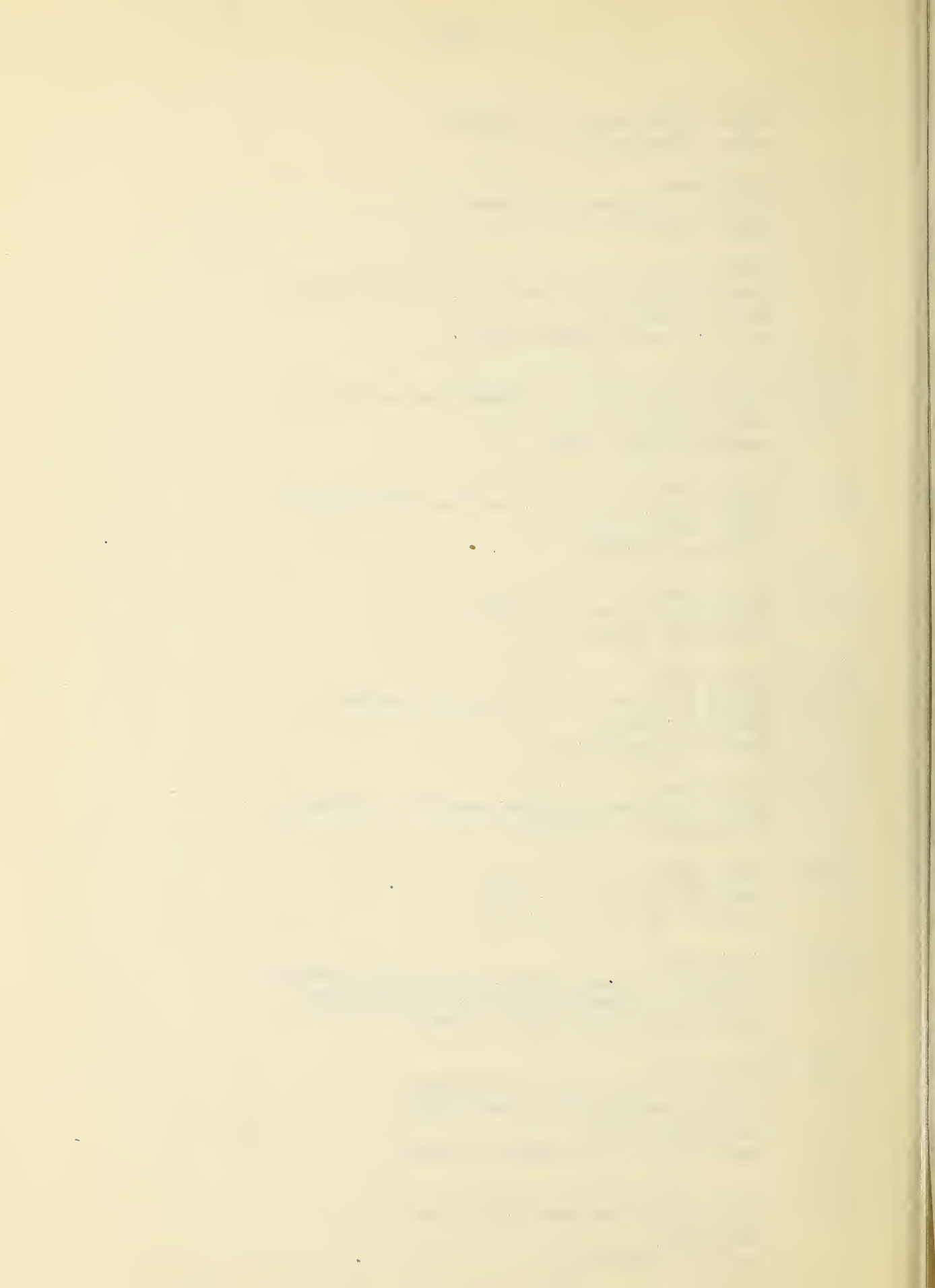
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Cochabamba

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Santa Cruz

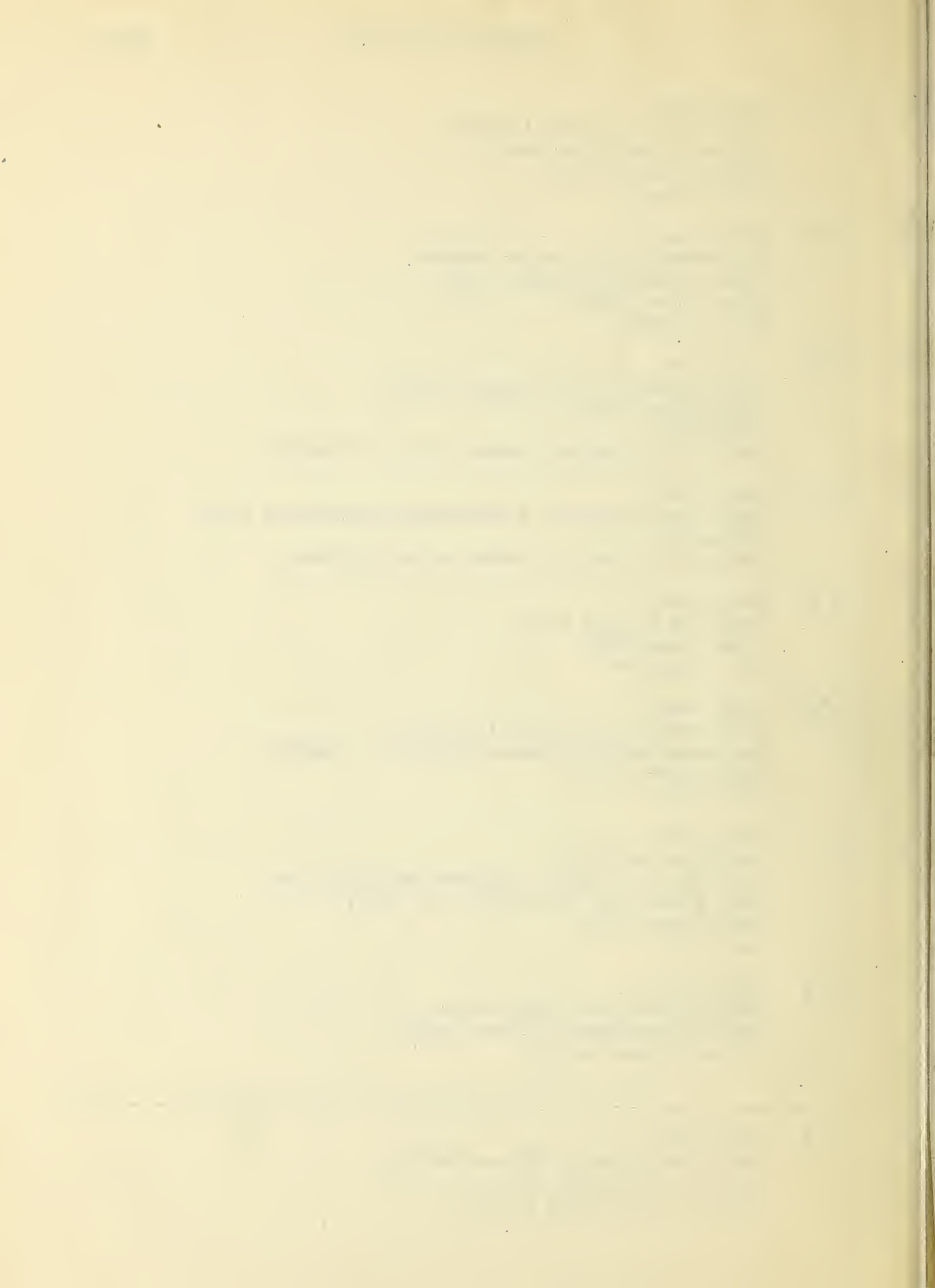


BRAZIL

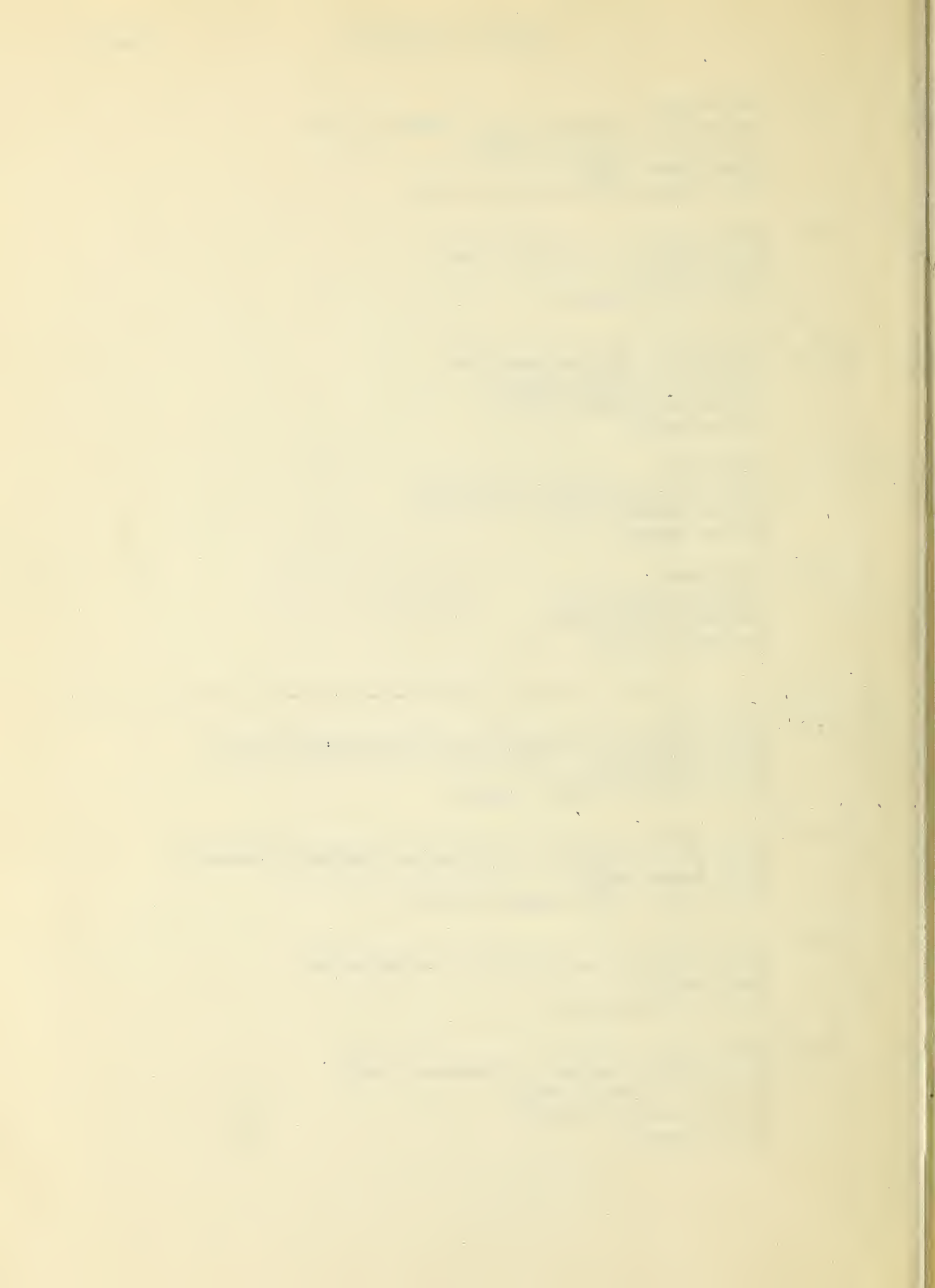
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Instituto Agronomico do Norte,
Belem, (Para)
- 4 R X Biblioteca,
Instituto Agronomico do Estado de Minas Gerais,
Caixa Postal 515,
Belo Horizonte, (Minas Gerais)
- 4 R X Biblioteca,
Instituto Agronomico do Estado de Sao Paulo,
Caixa Postal 28,
Campinas, (Sao Paulo)
- 4 R X Biblioteca,
Instituto de Biologia e Pesquisas Tecnologicas,
Caixa Postal 357,
Curitiba, (Parana)
- 4 R X Biblioteca,
Escola do Agronomia de Ceara,
Fortaleza, (Ceara)
- ✓ R X Biblioteca,
Escola Superior de Agricultura de Lavras,
Instituto Gammon,
Lavras, (Minas Gerais)
- 4 R X Biblioteca,
Escola Superior de Agricultura "Luiz de Queiroz",
Piracicaba, (Sao Paulo)
- 4 R X Biblioteca,
Instituto Agronomico do Sul,
Pelotas, (Rio Grande do Sul)
- 4 R X Biblioteca,
Secretaria de Agricultura, Industria e Comercio,
Rua Sigueira Campos, Edificio da Prefeitura,
Porto Alegre, (Rio Grande do Sul)
- ✓ R X Biblioteca,
Escola de Agronomia e Veterinaria,
Universidade do Rio Grande do Sul,
Caixa Postal 776,
Porto Alegre, (Rio Grande do Sul)
- ✓ R X Biblioteca,
Instituto de Pesquisas Agronomicas,
Dos Irmaos,
Recife, (Pernambuco)



- X R X Biblioteca,
Servico de Informacio Agricola,
Ministerio da Agricultura,
Largo da Misericordia,
Rio de Janeiro
- o R X Biblioteca,
Sociedade Nacional da Agricultura,
Avenida Franklin Roosevelt 115,
Caixa Postal 1245,
Rio de Janeiro
- o R Biblioteca,
Escola National de Agronomia, Km 47,
Universidade Rural,
Seropedica,
Municipio de Itaguai, Estado do Rio de Janeiro
- X R X Biblioteca,
Instituto de Ecologia e Experimental Agricolas, Km 47,
Seropedica,
Municipio de Itaguai, Estado do Rio de Janeiro
- X R X Biblioteca,
Instituto Oswaldo Cruz,
Caixa Postal 926,
Rio de Janeiro
- 4 R X Biblioteca,
Directoria de Publicidad Agricola,
Secretaria da Agricultura, Industria e Comerico,
Caixa Postal 116-B,
Sao Paulo
- X R X Biblioteca,
Instituto Biologico,
Departmento de Defesa Sanitaria da Agricultura,
Ave. Conselheiro Rodrigues Alves, 1252,
Caixa Postal 7119,
Sao Paulo
- X R X Biblioteca,
Escola Superior de Agricultura,
Universidade Rural de Minas Gerais,
Vicosa, (Minas Gerais)
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Escola de Agronomia "Eliseu Maciel",
Praça Sete de Julho 52,
Pelotas, (Rio Grande do Sul)
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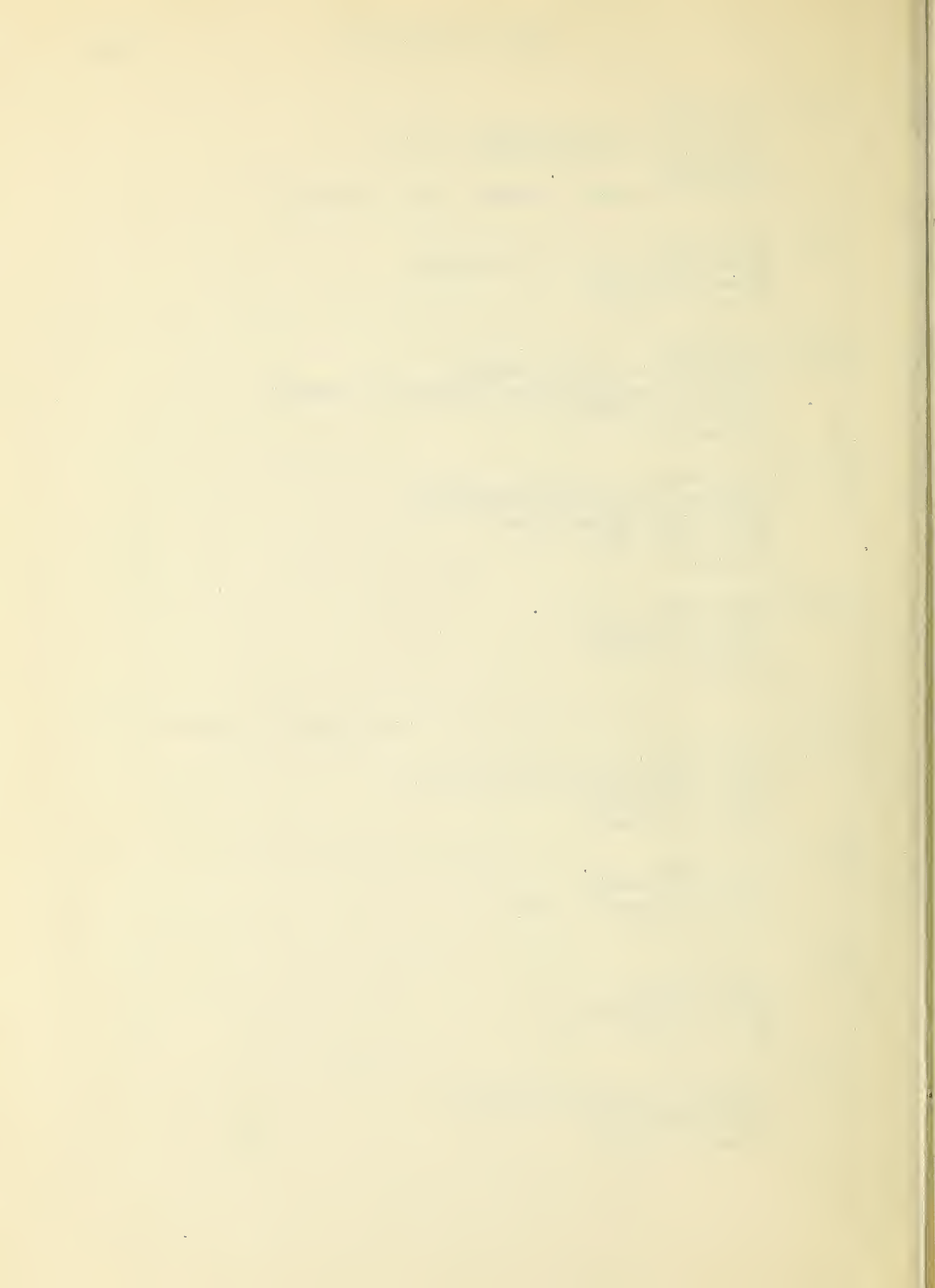


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Rua Vigario Jose Inacio 433,
Caixa Postal 1109,
Porto Alegre, (Rio Grande do Sul)
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Escola Superior de Agricultura,
Dois Irmaos,
Recife, (Pernambuco)
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Instituto de Quimica Agricola,
Ministerio da Agricultura,
Rua Jardim Botânico 1024,
Rio de Janeiro
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Sociedade Brasileira de Agronomia,
Avenida Pasteur 404,
Rio de Janeiro
- ✓ ° X X Biblioteca,
Instituto Mackenzie, *Mackenzie College*
Rua Maria Antonia 403,
Sao Paulo, Brazil
-
- ✓ A-V X Biblioteca,
Escola Superior de Veterinaria da Universidade Rural,
Caixa Postal 567,
Belo Horizonte, (Minas Gerais)
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Caixa Postal 2076,
Porto Alegre, (Rio Grande do Sul)
- ° A-V Biblioteca,
Escola Superior de Veterinaria de Pernambuco,
Dois Irmaos,
Recife, (Pernambuco)
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Departamento Nacional da Producao Animal,
Edificio da Caca e Pesca,
Praça Quinze de Novembro,
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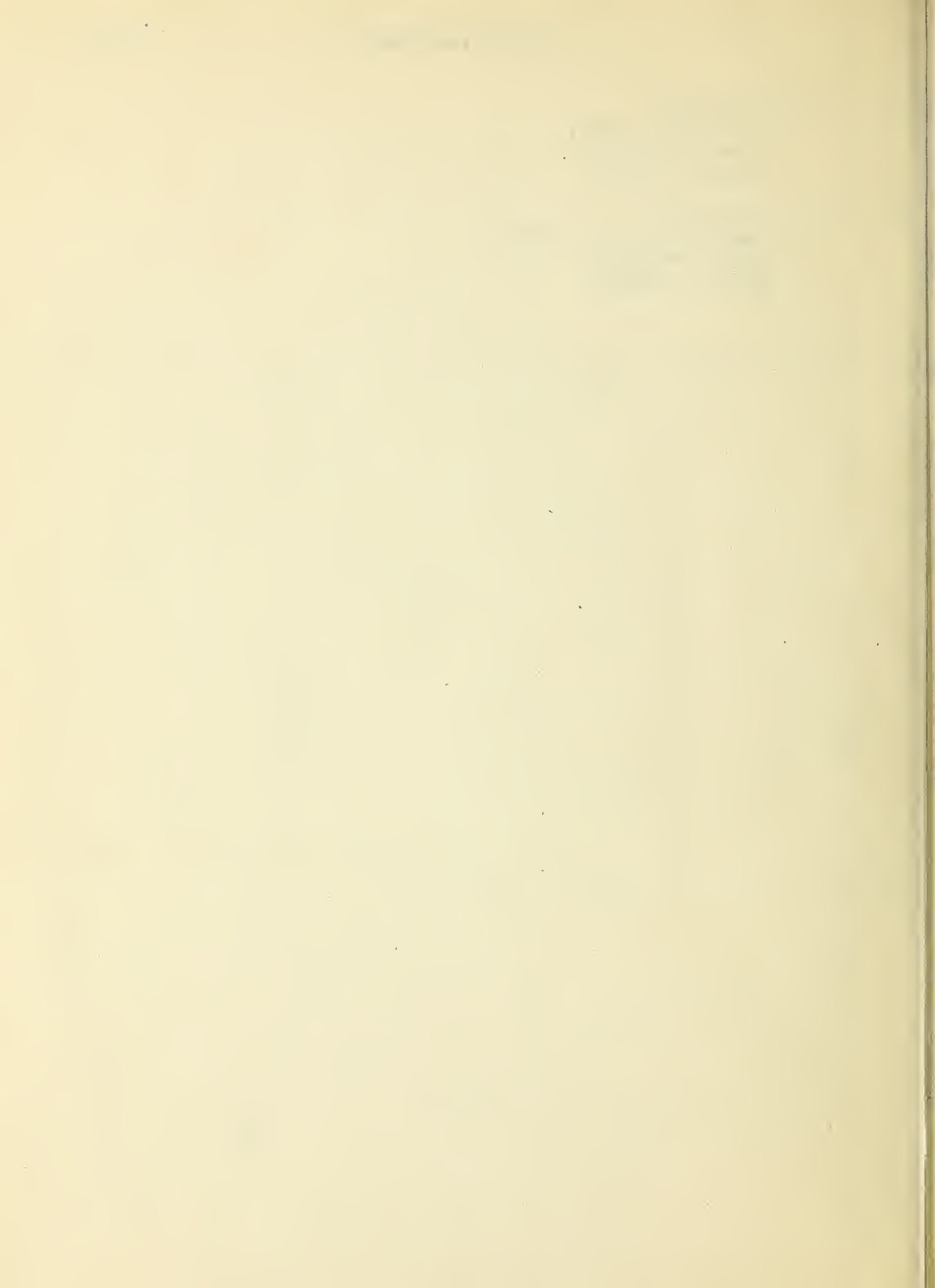


- o A-V Biblioteca,
Instituto de Biologia Animal, Km 47,
Ministerio do Agricultura,
Seropedica,
Municipio de Itaguai, Estado de Rio de Janeiro
- o A-V Biblioteca,
Cooperativa Instituto de Pecuaria,
Caixa Postal 512,
Salvador, (Bahia)
- + A-V X Biblioteca,
Departamento da Producao Animal,
Secretaria da Agricultura, Industria e Comercio,
Caixa Postal 215-B,
Sao Paulo
- + A-V X Biblioteca,
Faculdade de Medicina Veterinaria,
Universidade de Sao Paulo,
Caixa Postal 7064,
Sao Paulo
- + A-V X Biblioteca,
Instituto Butantan,
Caixa Postal 65,
Sao Paulo

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- o P Biblioteca,
Servico Agro-Industrial, D.N.O.C.S.,
Caixa Postal 423,
Fortaleza, (Ceara)
 - o P X Biblioteca,
Servico Florestal,
Rua Jardim Botânico 1008,
Rio de Janeiro
 - + P Biblioteca,
Museo Nacional,
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Rio de Janeiro
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Instituto Agronomico do Leste,
Caixa Postal 552,
Salvador, (Bahia)



- P X Biblioteca,
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Caixa Postal 223,
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CHILE

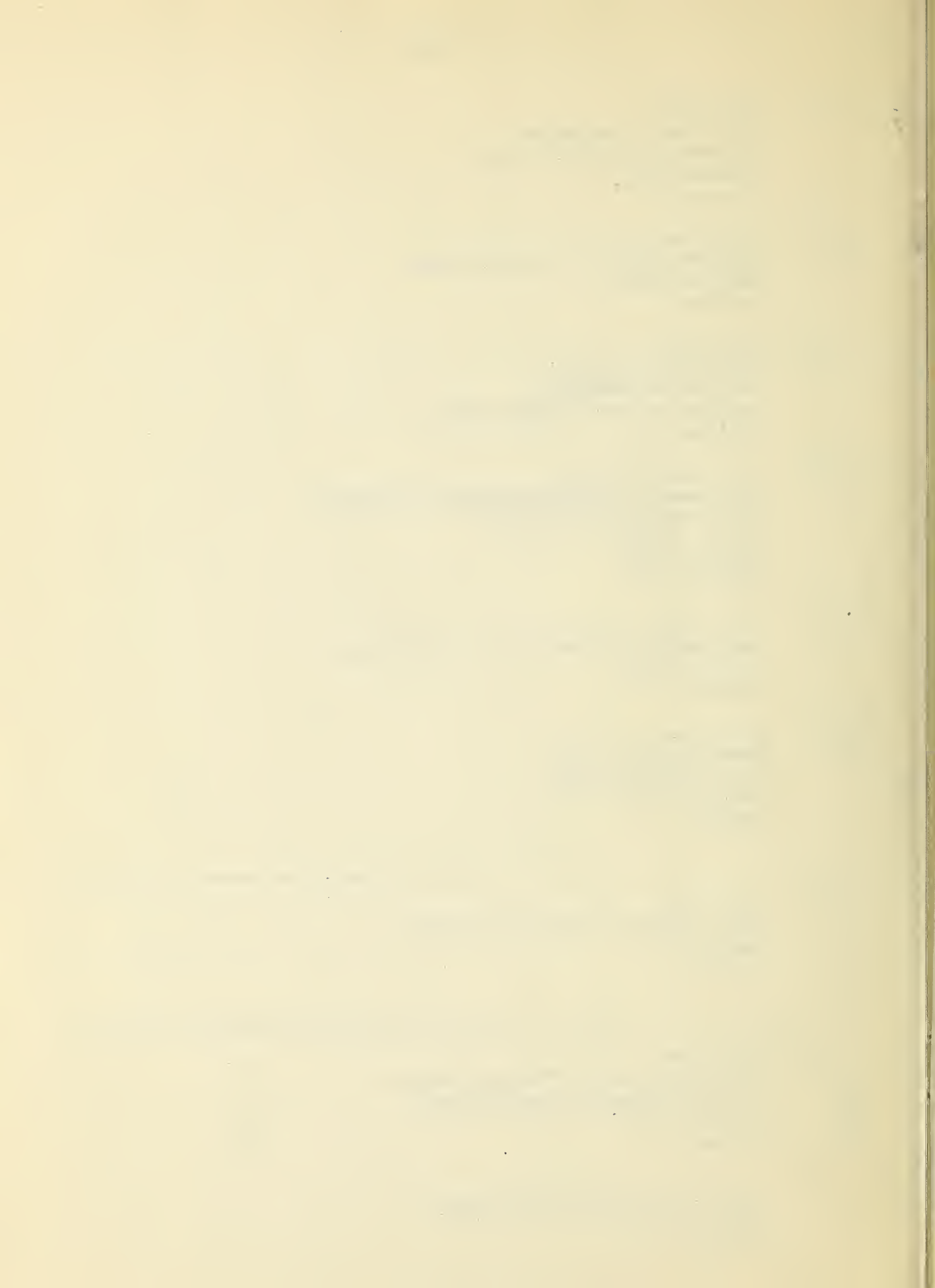
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Universidad de Concepcion,
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Universidad Catolica,
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Escuela de Agronomia,
Universidad de Chile,
Casilla 1004,
Santiago

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Museo Nacional de Historia Natural,
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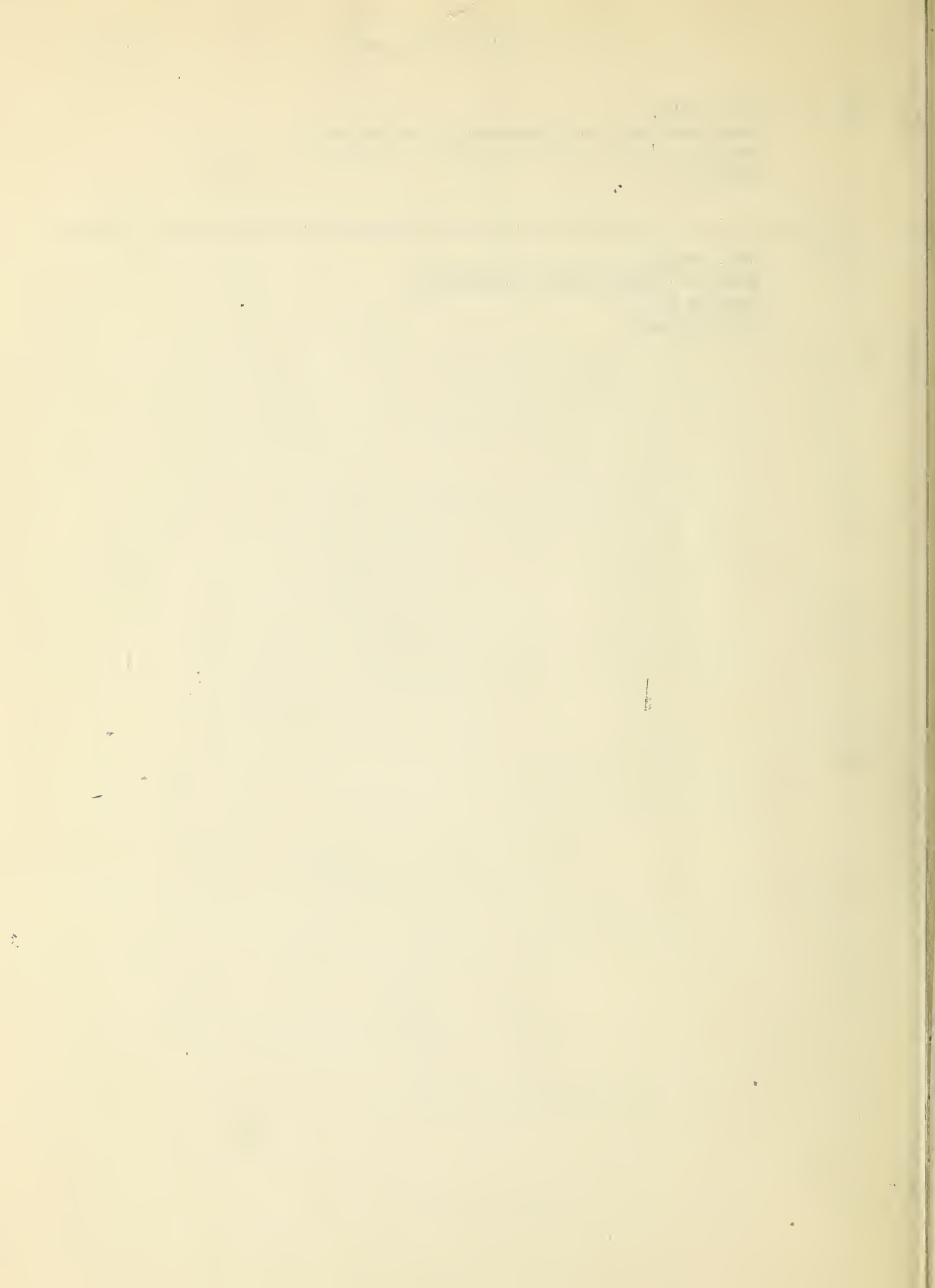
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Escuela de Medicina Veterinaria,
Casilla 5539,
Santiago



X A-V Biblioteca,
Instituto de Investigaciones Veterinarias,
Casilla 5539,
Santiago

✓ P Biblioteca,
Estacion Experimental Centinela,
Casilla 120,
Puerto-Octay



COLOMBIA

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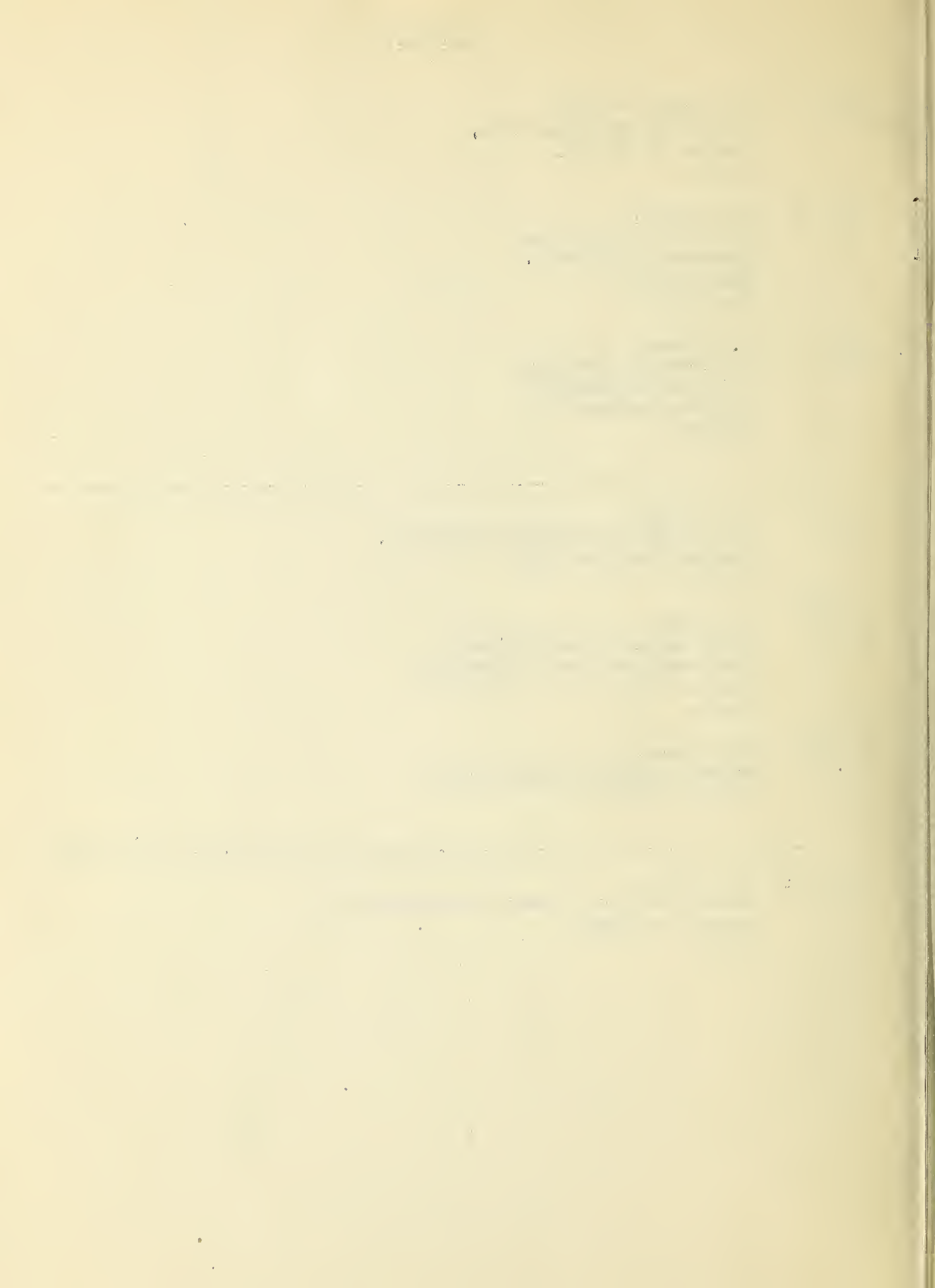
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